

CALIFORNIA ENERGY COMMISSION

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REVISED NOTICE OF PROPOSED AWARDS (NOPA)
Hybrid Generation and Fuel-flexible Distributed Generation/Combined Heat and
Power/Combined Cooling, Heat and Power (DG/CHP/CCHP) Systems
Grant Solicitation PON-11-507
April 6, 2012

On January 6, 2012, the California Energy Commission's Public Interest Energy Research (PIER) Program released a Program Opportunity Notice (PON-11-507) entitled "Hybrid Generation and Fuel-flexible Distributed Generation/Combined Heat and Power/Combined Cooling, Heat and Power (DG/CHP/CCHP)." The purpose of this competitive Solicitation is to fund research, development and demonstration (RD&D) projects that will: (1) advance the science, technology and market penetration in California of grid-connected distributed generation/combined heat and power/combined cooling, heating and power (DG/CHP/CCHP); and (2) integrate emerging multiple DG/CHP/CCHP technologies, including energy storage and fuel flexibility, in diversified applications. The solicitation announced that an estimated \$5,000,000 in funding was available for a maximum award size of \$2,000,000 per project.

The proposals were screened, reviewed, evaluated, and scored using the criteria prescribed in the solicitation. Based on the Review Team's scores and suggested funding level, the Energy Commission released a Notice of Proposed Awards (NOPA) on March 22nd to award \$5,000,000 and fund four (4) of the six (6) passing projects under this solicitation. The NOPA also stated that "should additional funds be made available, the partial award **may** be made into full award and the remaining passing projects **may** also receive funding." Since the release of the NOPA on March 22nd, a pending award to Rank 3 project has been cancelled and the fund corresponding to this project has been made available to award the next highest ranked projects. Based on this available fund, the Energy Commission proposes to award full funding to Rank 4 project and a partial award to Rank 5 project. This Revised Notice of Proposed Awards is hereby issued pursuant to these recommendations.

The attached table titled "Revised Notice of Proposed Awards and Results of Submitted Proposals" identifies each of the applicants recommended to receive funding, the project title, the recommended amount of Energy Commission funding, and scoring information.

Final approval of these awards rests with the Energy Commission, which will consider each project at a publicly noticed Business Meeting at the Energy Commission in Sacramento, California.

This notice is being mailed to all parties who submitted a proposal to this solicitation and is also posted on the Energy Commission website at: <http://www.energy.ca.gov/contracts>.

For further information about this matter, contact Pablo S. Gutierrez at (916) 327-1542, pgutierr@energy.state.ca.us.



California Energy Commission

PON-11-507



Revised Notice of Proposed Awards and Results of Submitted Proposals

Hybrid Generation and Fuel-flexible Distributed Generation/Combined Heat and Power/Combined Cooling, Heat, and Power (DG/CHP/CCHP) Systems

Revised April 6, 2012

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	Match Funds	Score Status
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Proposed Awards

1	ZERE Energy and Biofuels, Inc.	Novel Flex Fuel Oxidation for Distributed Generation	\$998,346.00	\$998,346.00	\$437,500.00	Awardee
2	Southern California Gas Company	Combined Heat and Power with Thermal Storage for Modern greenhouses	\$1,502,699.00	\$1,502,699.00	\$901,080.00	Awardee
3	University of California, Irvine	Megawatt High Efficiency, Ultra-Low Emission Hybrid Fuel Cell Gas Turbine	\$1,842,523.00	\$0.00	\$0.00	Cancelled
4	Gas Technology Institute	Fuel-Flexible, Hybrid CHP at San Bernardino Municipal Water Department	\$1,767,185.00	\$1,767,185.00	\$870,388.00	Awardee
5*	Altex Technologies Corporation	Tri-generation Energy System Technology (TRIST)	\$1,739,118.70	\$731,770.00	\$585,000.00	Awardee
6*	Biodico, Inc.	Renewable Cogeneration from Production Byproducts & Sunlight	\$2,000,000.00			Finalist

Did not Pass

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	Match Funds	Score Status
0	CHA Corporation	DG/CHP for Flex Fuel (Biomass and Waste)	\$620,622.00			Did not pass
0	Solar Stream Innovations, LLC	Rooftop Fuel-Flexible Solar Thermal and Natural Gas CHP System	\$1,347,320.00			Did not pass



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Revised Notice of Proposed Awards and Results of Submitted Proposals Hybrid Generation and Fuel-flexible Distributed Generation/Combined Heat and Power/Combined Cooling, Heat, and Power (DG/CHP/CCHP) Systems



Revised April 6, 2012

Rank	Prime Applicant	Title	PIER Funds Requested	PIER Funds Recommended	Match Funds	Score Status
0	Interra Energy, Inc.	Development of Carbon-Negative Renewable Flex-Fuel CHP Hybrid	\$1,112,367.00			Did not pass
0	Colony Energy Partners	Colony Energy Partners Tulare Sustainable Renewable Energy	\$1,500,000.00			Disqualified
0	Xnergy	Combined Cooling, Heating, and Power for University of California, Irvine	\$660,000.00			Disqualified
0	University of California, Irvine	A Low Cost, Fuel Flexible Rotary Engine DG/CHP System	\$996,558.00			Disqualified
0	Pacific Oil Products	Commercial Scale Algae Demonstration Project	\$2,000,000.00			Disqualified

*** Projects 5 and 6 may be awarded the full requested amount if additional funds are made available.**